	Application No.	**Applicant(s)**
Notice of Allowability	09/778,987	GAO, KEJIA
	Examiner	**Art Unit**	
	Myriam Pierre	2654	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.

2. ☐ The allowed claim(s) is/are _____.

3. ☒ The drawings filed on _02072001_ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some*   c) ☐ None of the:
        1. ☐ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
            International Bureau (PCT Rule 17.2(a)).
    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
    Paper No./Mail Date _____.
    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Allowable Subject Matter

1.   The following is an examiner's statement of reasons for allowance:

As to claims 1, 16, and 17, the prior art of record does not teach nor fairly

suggest separating internationalized and localized code portions from software

written in a programming language using a grammar tree generated there from

and predetermined internationalization rules to generate locale-independent

source code with a locale-dependent resource pack. The source-code file

cooperates with the resource package to perform the software function.

Chui (6,0356121) teaches of separating a locale-dependent resource

dynamic link library (resource pack) for the executable code (col. 2, line s57-61)

and a new target language resource DDL is generated from (non-locked strings)

current locale-dependent version of the resource DLL (col. 3, lines 5-14) but does

not use a generated grammar tree and internationalization rules for the

separation.

Watanabe et al. (6,185,729) teaches of using localization and globalization

creating a single internationalized application for any number of localized

programs (col. 1, lines 59-66), but does not use a grammar tree and

internationalization rules.

Wang (6,119,079) teaches of using a tokenized format for locale users

(col. 2, lines 48-53) but does not teach of generating a grammar tree or using the

grammar tree with internationalization rules to generate the locale-independent source code file.

Huamann (6,092,036) uses multi-lingual translation tables (col. 3, lines 34-42) but does not teach generation of a grammar tree and using it with internationalization rules to generate the locale-independent source code file.

Atkin et al. (5,900,871) teaches of programs to globalize or localize different languages (col. 3, lines 61-64) but does not use a partition step that uses a grammar tree and internationalization rules to generate locale-independent source code.

Jain (5,434,776) teaches of using a localized resource file for messages for the user to select for linking with a compiled computer program to provide a multi-lingual program (col. 4, lines 60-65) but does not teach that the locale-independent source code file is separated using a generated grammar tree and internationalization rules.

Dependent claims 2-12, are allowed because they further limit these independent claims.

As to claims 13, 18, and 19, the prior art of record does not teach nor fairly suggest separating localized Website software codes per claims 1, 16, and 17 to obtain a template file and a resource file which are locale-independent, and a locale-dependent resource pack using a grammar tree and predefined internationalization rules.

Dependent claim 14 is allowed because it further limits these independent claims.

As to claims 15, 21 and 21, the prior art of record does not teach nor fairly suggest separating computer codes for locale adaptation per claims 1, 16, and 17 using a generated grammar tree and predefined international rules.

2.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure as follows:

Akers et al (6,278,967), teaches of a method for parsing natural language using grammar rules and a dictionary.

Veditz et al (6,496,793), teaches of creating information files in original local and using a descriptor or (LDI) Language Driver Identifier that stores locations of data object information that is specific to the language driver that was used when the data object was created or modified.

Kuhn, R. (ICASSP-93) IEEE Learning speech semantic with keyword classification trees uses semantically chosen words to process based on classification trees.

4.   Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Myriam Pierre whose telephone number is

703-605-1196. The examiner can normally be reached on Monday – Friday from
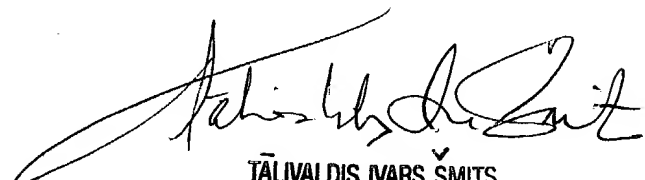
5:30 a.m. - 2:00p.m.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Talivaldis Smits can be reached on 703-306-3011. The

fax phone number for the organization where this application or proceeding is

assigned is 703-872-9306.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only.

For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

MP

08/05/2004

TALIVALDIS IVARS SMITS
PRIMARY EXAMINER